

What is claimed is:

1. A software portable telephone set comprising a detachable transmitting function and transmitting and receiving circuits capable of being reconfigured afresh with software updating, wherein the transmission system is reconfigured afresh in relation to the mounting and demounting of a transmitting function part.

2. The software portable telephone set according to claim 1, wherein the transmitting function is provided by a detachable module for transmitting a modulator output analog signal.

3. The software portable telephone set according to claim 1, wherein the transmitting and receiving circuits have a software memory part for executing signal conversion processing, programs transferred from a program memory being set in the software memory part.

4. The software portable telephone set according to claim 1, wherein the transmitting and receiving circuits include a demodulator, a modulator and wide-band synthesizer which are controlled by a program stored in the software memory part.

5. The software portable telephone set according to claim 1, wherein the detachable module includes a power amplifier, a transmission signal filter and an isolator.

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6. The software portable telephone set according to claim 1, wherein the transmitting and receiving circuits have a software memory part for executing signal conversion processing, programs transferred from a program memory being set in the software memory part and a plurality of programs for commanding signal conversion processing are stored in the program memory.

7. The software portable telephone set according to claim 1, wherein the transmitting and receiving circuits have a software memory part for executing signal conversion processing, programs transferred from a program memory being set in the software memory part and the software memory provides commands according to a program transferred from the software source memory according to a system switching command.

8. A portable telephone set comprising a transmission function unit and/or a receipt function unit, wherein the transmission function unit for performing a specified transmission process is detachably mounted to a body of the portable telephone set and the operation of the transmission function and/or receipt function is determined on the basis of a predetermined software which is selected.

9. The portable telephone set according to claim

8, wherein the predetermined software is selected from a plurality of softwares stored in a memory in the portable telephone set.

10. The portable telephone set according to claim 8, wherein the operation of a received signal mixing portion, a demodulating portion and a base band signal processing portion in the receipt function unit is determined on the basis of the predetermined software.

11. The portable telephone set according to claim 8, wherein one of a plurality of transmission function units each performing a different frequency band operation is detachably mounted to the body.

12. The portable telephone set according to claim 9, wherein the plurality of softwares are stored in a software source memory, one of the plurality of softwares is selected and down-loaded and the operation of the receipt processing unit is defined by the down-loaded software.

13. The portable telephone set according to claim 8, wherein the transmission function unit includes an amplifier, a transmission signal filter and an isolator.

14. The portable telephone set according to claim 8, wherein the transmission function unit includes a

15. The portable telephone set according to claim 8, wherein currently operation system is detected on the basis of demodulated output of the received signal in the receipt function unit and the detected system is displayed.

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